IN THE SPECIFICATION

I.   Please insert the following paragraph after the second paragraph under the heading "Brief Description of the Drawings" on page 4 (beginning with the phrase "Fig. 1" and ending with the word "system") on page 4 of the specification:

Fig. 2 is a representation of an example RFID label in accordance with the principles of the present invention;

II.   Please amend the third paragraph under the heading "Brief Description of the Drawings" on page 4 of the Specification beginning with the phrase "Fig. 2" and ending with the word "invention", as follows:

Fig. 2 3 is a perspective view of an example application for the RFID label of the present invention;

III.   Please amend the last (fourth) paragraph under the heading "Brief Description of the Drawings" on page 4 of the Specification beginning with the phrase "Fig. 3" and ending with the word "invention", as follows:

Fig. 3 4 is a flow diagram illustrating the method of the present invention;

It is another object of the present invention to supplement or replace the function of barcodes with multiple single bit RFID labels.

Brief Description of the Drawings

Additional benefits and advantages of the present invention will become apparent to those skilled in the art to which this invention relates from the subsequent description of the preferred embodiments and the appended claims, taken in conjunction with the accompanying drawings, in which:

Fig. 1 is a block diagram of a transaction processing system;

Fig. 2 is a perspective view of an example application for the RFID label of the present invention;

Fig. 3 is a flow diagram illustrating the method of the present invention.

Detailed Description of the Preferred Embodiment

Referring now to Fig. 1, one embodiment of transaction system 10 primarily includes radio frequency identification (RFID) label 12, RFID label interrogator 14, transaction terminal 16, and transaction server 18.

RFID label 12 includes a plurality of passive, tuned antennas 20. A first group 22 of antennas 20 produces data bit signals. The data bits are mapped into data bit positions 32 of a binary item identification number (Fig. 2). Antennas 22-1 through 22-N are tuned at frequencies f_1 through f_N.

Antenna 24 communicates a check bit to ensure data from antennas 22 have been properly received. Antenna 24 is tuned